

Scientix 4 – ресурси и събития

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SCIENTIX
The community for science
education in Europe

The work presented in this document is supported by the European Commission's H2020 programme – project Scientix 4 (Grant agreement N. 101000063), coordinated by European Schoolnet (EUN). The content of this document is the sole responsibility of the organizer and it does not represent the opinion of European Schoolnet or the European Commission (EC), and the EC is not responsible for any use that might be made of information contained herein.

<http://www.scientix.eu/>

SCIENTIX
The community for science education in Europe

HOME | SCIENTIX LIVE | COMMUNITY | EVENTS | PROJECTS | CONFERENCE | NEWS | RESOURCES | ABOUT

THE 2021 STEM DISCOVERY CAMPAIGN
Join our annual campaign focused on Sustainability and Citizenship!
[Read more](#)

PARTNERS
SCIENTIX, European Commission, Spelman, CLEAN TECH COMPETITION, eurostat, AMBA FOUNDATION, futurum, Britannica Digital Learning, ATILLES FOR STEAM, BRITEC, STEM School Label, Life Terra, europeana education, STEM Alliance, Amgen Teach, Microsoft, STEAM IT, LabXchange, AutoSTEM

SOMR available to any teacher, Ministry of Education, STEM expert during the current COVID-19 lock-down period:

[READ THE INSTRUCTIONS!](#)

[In your country](#)
[Observatory](#)
[Scientix Moodle](#)



<http://dmo.cabinet.bg/>

Динамична математика в образованието



Проекти и ресурси

<http://www.scientix.eu/web/guest/projects/project-detail?articleId=734572>



The screenshot shows the Scientix website interface. At the top, there is a navigation bar with the Scientix logo, social media icons, a language selector (English), a sign-in button, and a search bar. Below the navigation bar, there is a menu with links to HOME, SCIENTIX LIVE, COMMUNITY, EVENTS, PROJECTS (highlighted), CONFERENCE, NEWS, RESOURCES, and ABOUT. The main content area displays the project page for "VIRMATLAB, VIRTUAL MATHEMATICS LABORATORY". The page includes a breadcrumb trail (Home > Projects > VirMathLab, Virtual Mathematics Laboratory), a title, a "Share this project" button, and three tabs: BASIC INFORMATION, RESEARCH INFORMATION, and TEACHER INFORMATION. The RESEARCH INFORMATION tab is active, showing a description of the project and its resources. On the right side, there is a sidebar with links to "In your country", "Observatory", "Scientix Moodle", "Scientix Webinars", and "Scientix blog". At the bottom of the sidebar, there is a "SUBMIT PROJECT" button and a section for "Read more on what Scientix offers to science education projects" with links to "Online meeting room" and "Networking events". At the very bottom of the sidebar, there is a "CONNECT WITH SCIENTIX" button.

Home > Projects > VirMathLab, Virtual Mathematics Laboratory

VIRMATLAB, VIRTUAL MATHEMATICS LABORATORY

Share this project

BASIC INFORMATION RESEARCH INFORMATION TEACHER INFORMATION

The Virtual Mathematics Laboratory, VirMathLab, is developed in support of inquiry-based mathematics education and in broader contexts within the fields of Science, Technology, Engineering, Arts and Mathematics (STEAM).

A number of good practices exist in class settings in the fields of mathematics, ICT, fine arts, and entrepreneurship, as well as in out-of-class activities and courses in professional development for teachers in primary and secondary school, both for in-service and pre-service teachers.

Most of the VirMathLab resources can support the independent (re)discovery of properties of mathematical objects and create conditions for applying them to solve problems. A part of the resources represents computer models for solving real-life problems. In addition, there are resources for evaluation and self-evaluation.

There are several types of VirMathLab resources, including: files with dynamic constructions, didactic scenarios on various topics, video files and publications. Most of the dynamic files are developed using the GeoGebra software that can be used online or in ggb format. The online files can also be accessed with mobile devices.

The files that have dynamic geometrical constructions are distributed into three sections. The sections that deal with numbers and figures separated for primary, junior-high and secondary schools. There are separate sections dealing with subjects such as functions, geometric transformation, applications, games, puzzles and art.

In your country

- Observatory
- Scientix Moodle
- Scientix Webinars
- Scientix blog

If you know of European or national project in STEM education, please let us know.

SUBMIT PROJECT

Read more on what Scientix offers to science education projects

- Online meeting room
- Networking events

For project managers:

CONNECT WITH SCIENTIX



Национални контактни точки на проекта

SCIENTIX NATIONAL CONTACT POINTS (2020-2022)

- Qendra Inovative Kualifikuese "Edu Act" (Albania)
- University of Mostar (Bosnia and Herzegovina)
- **Institute of Mathematics and Informatics at the Bulgarian Academy of Science (IMI-EAS)**
- Croatian Academic and Research Network (CARNet)
- Ministry of Education, Culture, Sport and Youth (Cyprus)
- Centre for International Cooperation in Education, Czech Ministry of Education *
- Estonian Ministry of Education and Research *
- Finnish National Agency for Education *
- French Ministry of Education *
- Ministry of Education, Culture and Sports of Georgia
- Greek Free Open Source Software Society (GFOSS) *
- Educational Authority, General Department of Digital Repositories (Hungary) *
- Dublin West Education Centre (Ireland)
- Israeli Ministry of Education *
- Italian Istituto Nazionale di Documentazione, Innovazione e Ricerca Educativa (INDIRE)
- The University of Latvia
- Ministry for Education and Employment, Directorate for Learning and Assessment Programmes (DLAP); Department for Curriculum, Lifelong Learning and Employability (Malta) *
- Technical University of Moldova
- Center for innovations and digital education Dig-Ed – North Macedonia
- Institute of Geophysics, Polish Academy of Sciences (IGF PAS)
- Portuguese Ministry of Education *
- University of Bucharest (Romania)
- Methodological and Pedagogical Centre of the Slovak Ministry of Education *
- Spanish Ministry of Education and Vocational Training *
- Center for the Promotion of Science (Serbia)
- Turkish Ministry of National Education, Directorate General for Innovation and Educational Technology *

QUICK LINKS

[In your country](#)

[Observatory](#)

[Scientix Moodle](#)

[Scientix Webinars](#)

[Scientix blog](#)



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Дейности

Workshops
(face to face and
online)



Webinars



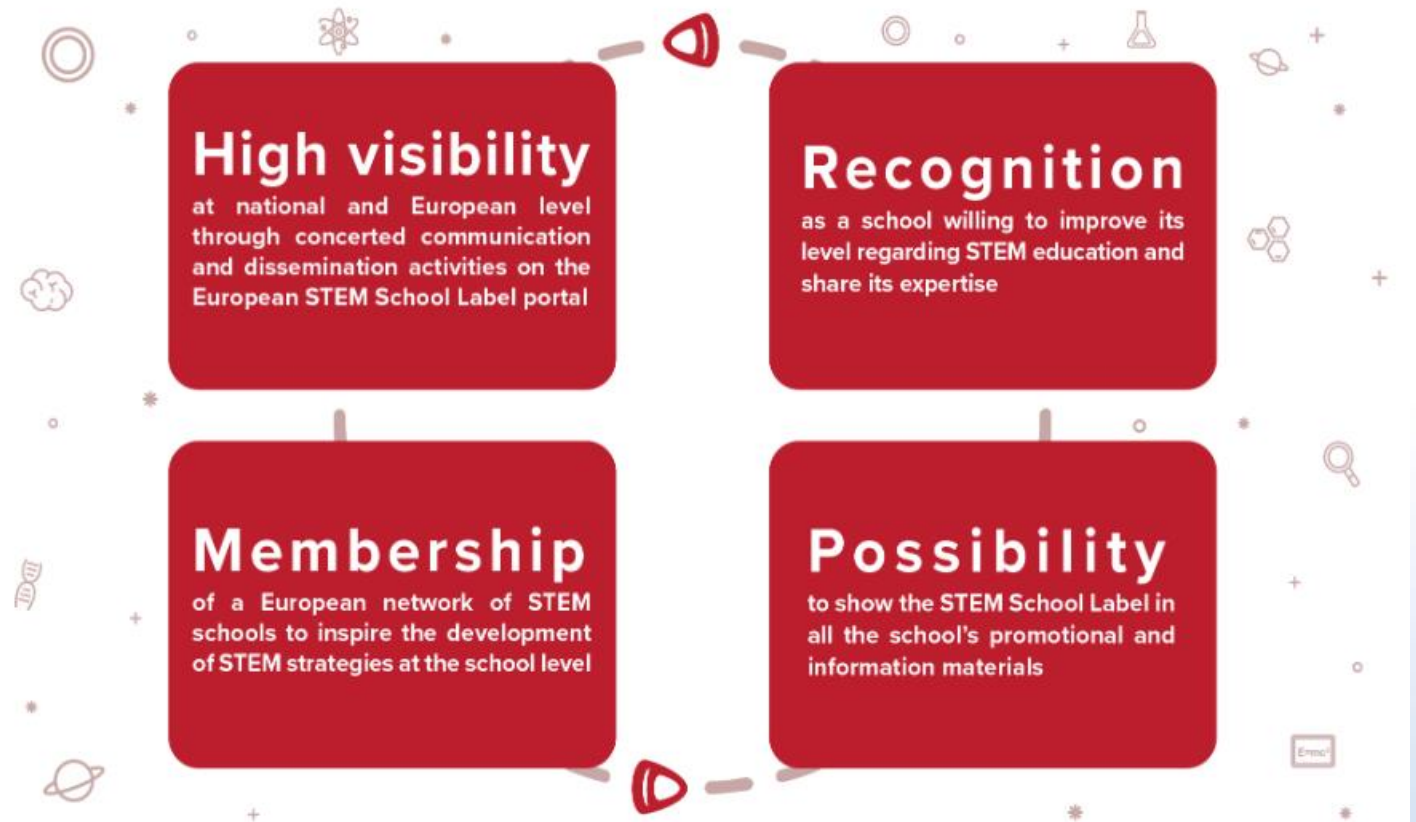
Conferences



Presentations



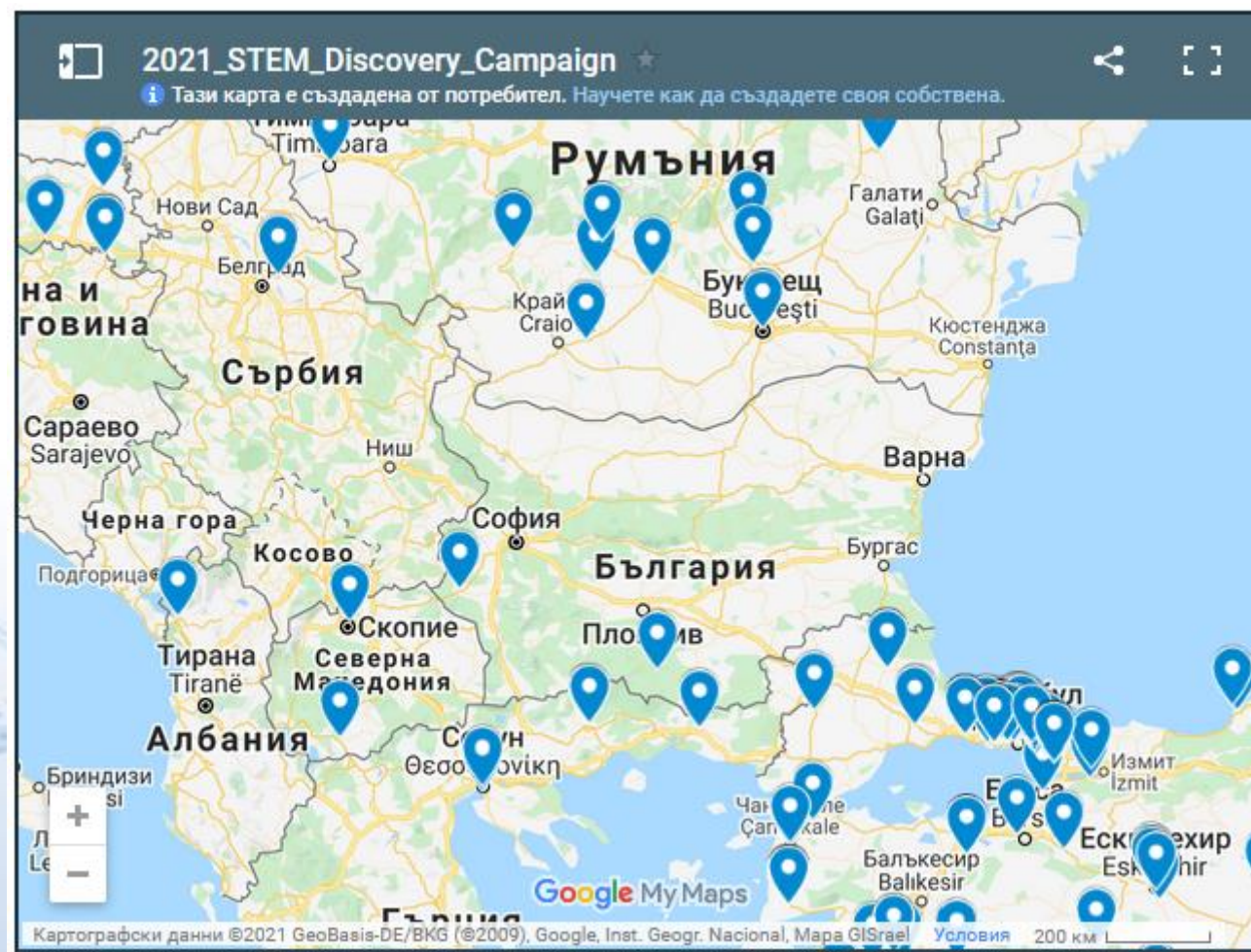
<https://www.stemschoollabel.eu/>



<http://www.scientix.eu/events/campaigns/sdc21>



Кампанията „Откривателства в STEM“



<http://www.scientix.eu/live/spows>



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SCIENCE PROJECTS ONLINE WORKSHOPS (SPOWS)



STEM Discovery Campaigns

2020 STEM DISCOVERY CAMPAIGN

Innovative Trends in Education



© sector, berlok, scilms - stock.adobe.com

RESULTS

610 activities

7,700 schools

14,400 teachers

89,300 participants

68,400 students

2020 STEM DISCOVERY CAMPAIGN



[scientix_eu](https://twitter.com/scientix_eu) #SDC20

PARTNER PROJECTS



PARTNER ORGANISATIONS



	2017	2018	2019	2020
Activities	119	800	980	610
Schools	1,500	n/a	4,700	7,700
Teachers	2,000	n/a	15,500	14,400
Students	13,300	n/a	122,000	68,400
Participants	15,300	50,000	162,000	89,300



The Discovery Campaign has been funded under the European Union's Horizon 2020 research and innovation programme - project Scientix, coordinated by European Schoolnet (EUN). The content of the document is the sole responsibility of the organizer and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained.



Образователни практики за устойчивост на околната среда

<http://bit.ly/2NoVk99>

Анкета за учители, свързана с проучване на националните и институционални политики и подходи към образованието за устойчивост на околната среда (EES).



Course Catalogue

We work with different partners to offer you courses on a range of topics. Our upcoming courses are guided and animated by our staff. Past courses always remain available for you to explore on your own. The question is: what do you want to learn today?



Scientix

Exploring Nature-Based
Solutions in Your Classroom

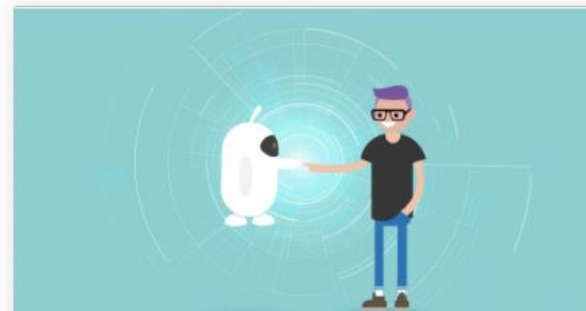
Starts: Jan 11, 2021



Aerospace

Aerospace in Class

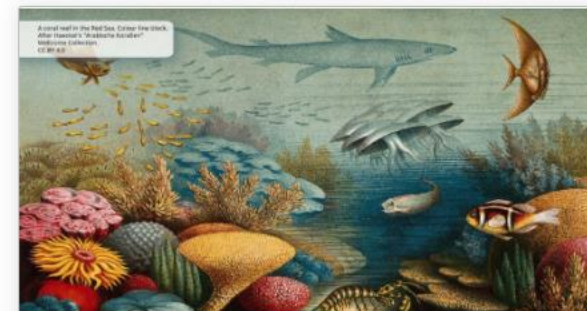
Starts: Feb 15, 2021



CodeWeek

AI Basics for Schools

Starts: Mar 8, 2021



Europeana

Digital Education with Cultural
Heritage

Starts: Mar 15, 2021



отворен онлайн курс "A Roadmap to Citizen Science Education"

Posted on 12.02.2021

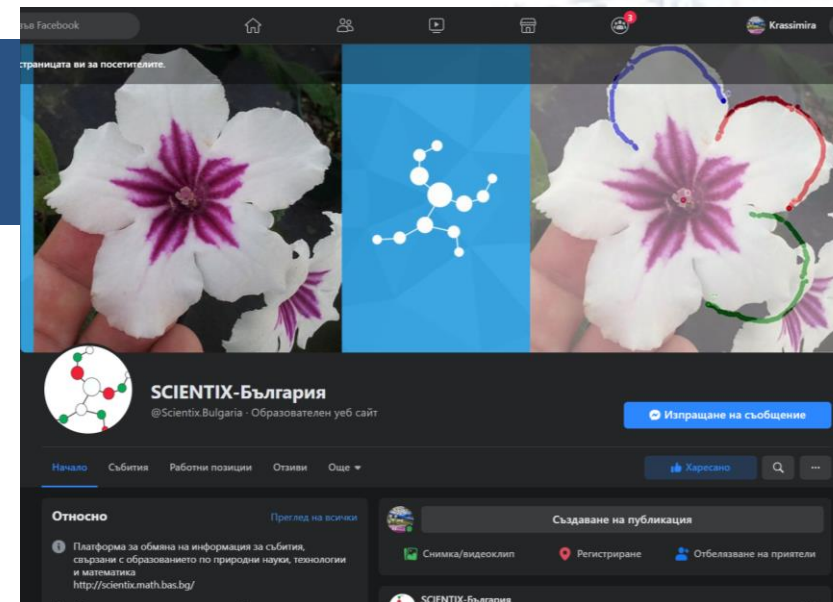


Архив

February 2021
November 2020
September 2019
August 2019
July 2019
May 2019
April 2019
March 2019

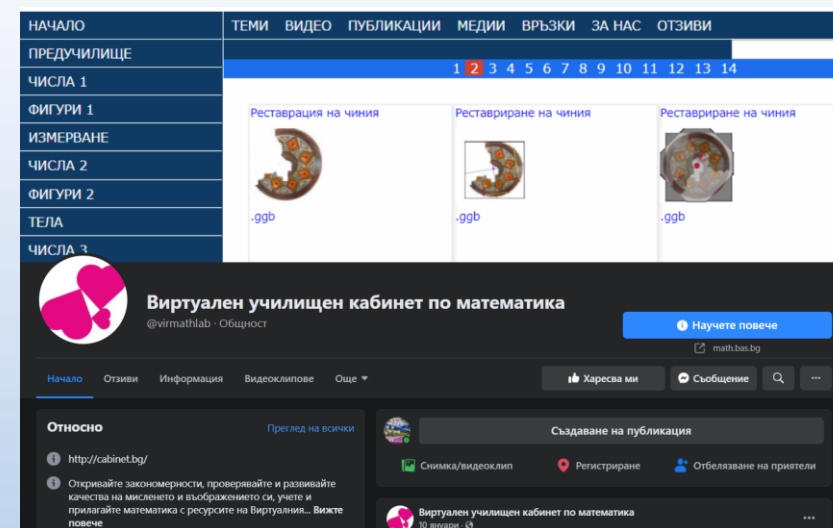
<https://scientix.math.bas.bg/>

<http://www.math.bas.bg/omi/cabinet/>



<https://www.facebook.com/Scientix.Bulgaria>

<https://www.facebook.com/virmathlab>



Thank you!



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